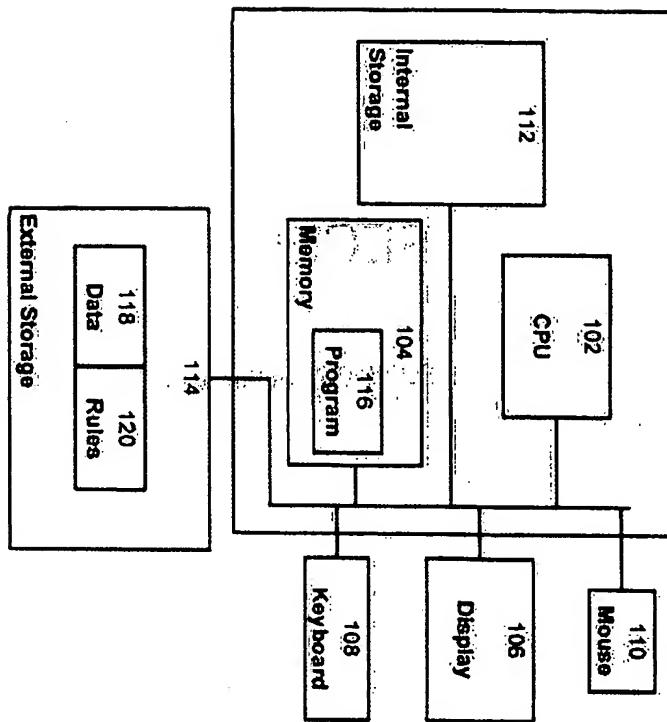




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100

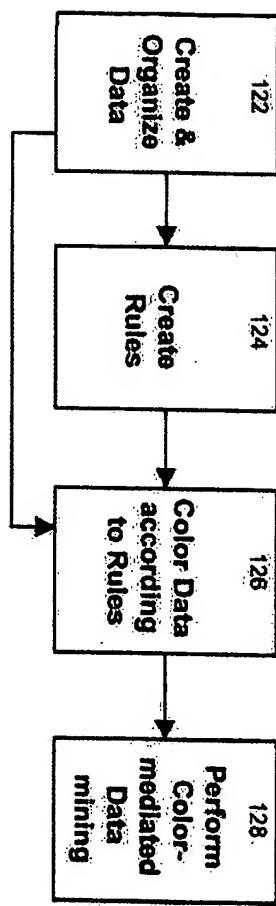
Fig. 1





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Fig. 2





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Fig. 3A



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Fig. 3B

300

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130-1 140 130-2 132 134 136 138 142

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Fig. 4A

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Check here to indicate							
sheet	DEMO 0	sheet	DEMO 3	sheet	DEMO 3	sheet	DEMO 3
column(s)	B.C.	column(s)	B.C.	column(s)	B.C.	column(s)	B.C.
\$ or colors	break 1						
break 1	80	break 1	80	break 1	no effect	break 1	no effect
break 2	200	break 2	200	break 2	>10000	break 2	>2000
break 3	100E+05	break 3	100E+05	break 3	effect>10000	break 3	no effect
break 4		break 4		break 4	>10000	break 4	>10000
color 1	color 1						
color 2	color 2						
color 3	color 3						
color 4	color 4						
color 5	color 5						
color 6	color 6						
Re-scale all?	Re-scale all?						

Check here to indicate		Check here to indicate		Check here to indicate		Check here to indicate	
sheet	DEMO 3						
column(s)	B.C.	column(s)	B.C.	column(s)	B.C.	column(s)	B.C.
\$ or colors	break 1						
break 1		break 1		break 1		break 1	
break 2		break 2		break 2		break 2	
break 3		break 3		break 3		break 3	
break 4		break 4		break 4		break 4	
break 5		break 5		break 5		break 5	
break 6		break 6		break 6		break 6	
color 1	color 1						
color 2	color 2						
color 3	color 3						
color 4	color 4						
color 5	color 5						
color 6	color 6						
Re-scale all?	Re-scale all?						

Check here to indicate		Check here to indicate		Check here to indicate		Check here to indicate	
sheet	DEMO 3						
column(s)	B.C.	column(s)	B.C.	column(s)	B.C.	column(s)	B.C.
\$ or colors	break 1						
break 1		break 1		break 1		break 1	
break 2		break 2		break 2		break 2	
break 3		break 3		break 3		break 3	
break 4		break 4		break 4		break 4	
break 5		break 5		break 5		break 5	
color 1	color 1						
color 2	color 2						
color 3	color 3						
color 4	color 4						
color 5	color 5						
color 6	color 6						
Re-scale all?	Re-scale all?						



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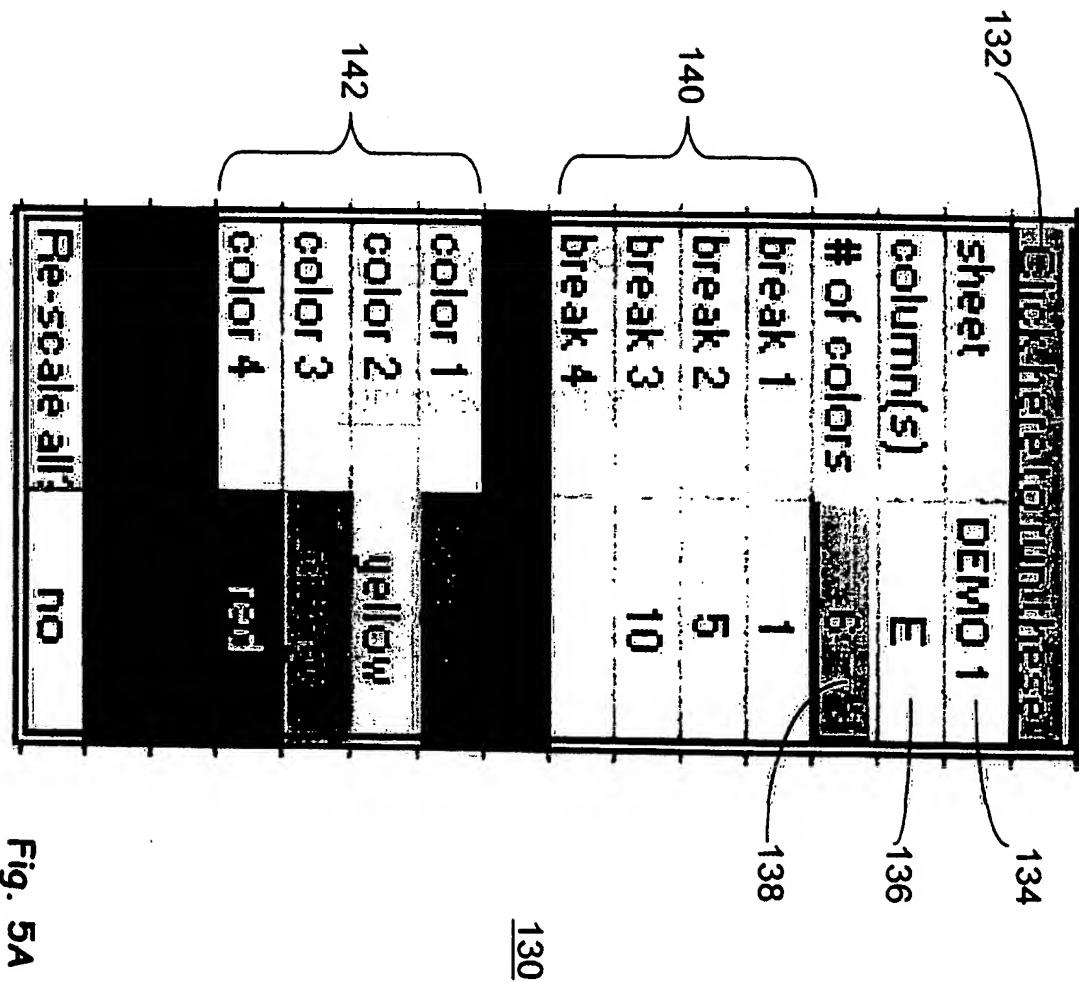


Fig. 5A



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[REDACTED]	
sheet	DEMO 1
column(s)	C.0
# of colors	4
break 1	0.1
break 2	1
break 3	5
break 4	

color 1	[REDACTED]
color 2	yellow
color 3	[REDACTED]
color 4	red

Re-scale all
no

130-1

Fig. 5B



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sheet	DEMO 3
column(s)	
# of colors	5
break 1	
break 2	
break 3	
break 4	
break 5	
color 1	
color 2	
color 3	
color 4	
color 5	
color 6	
Re-scale all?	

152

144

146

148

150

Fig. 6A



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Fig. 6B

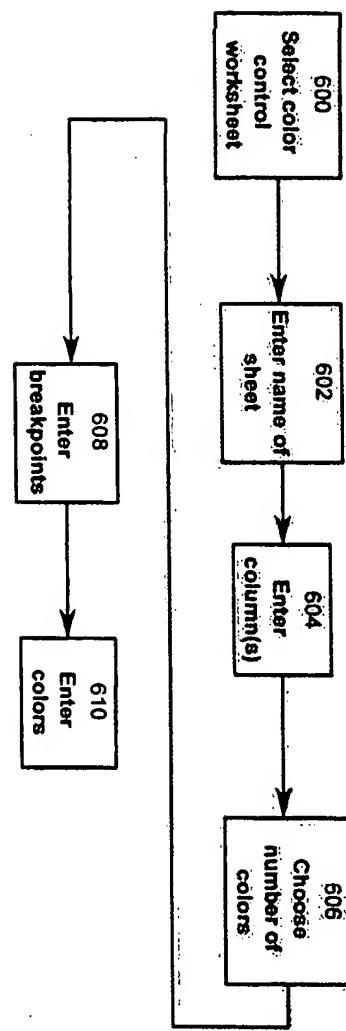
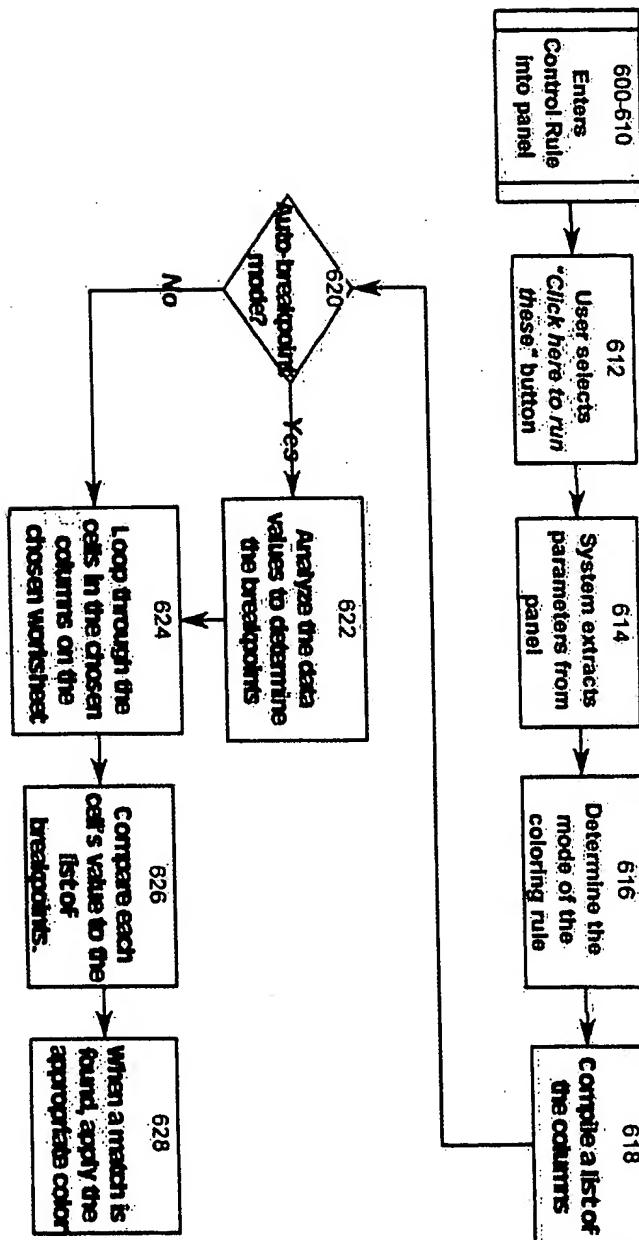




Fig. 6C



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Sample	Group	Series	Test 1			Test 2			Test 3			HTS SPA Dose-Resp % Inhib @ 3x10-6M		HTS SPA Dose-Resp % Inhib @ 1x10-6M		HTS SPA Dose-Resp % Inhib @ 3x10-7M		HTS SPA Dose-Resp % Inhib @ 1x10-7M		
			Test 1	Test 2	Test 3	Test 1	Test 2	Test 3	Test 1	Test 2	Test 3	Test 1	Test 2	Test 3	Test 1	Test 2	Test 3	Test 1	Test 2	Test 3
Cmp-01	N		29	30	35	41	3	22	26	29	29	15	15	15	15	15	15	15	15	15
Cmp-02	N		42	42	55	55	3	22	26	29	29	29	29	29	29	29	29	29	29	29
Cmp-03	G		37.0	37.0	41	41	3	22	26	29	29	29	29	29	29	29	29	29	29	29
Cmp-04	N		30	30	30	70	57	26	24	24	24	24	24	24	24	24	24	24	24	24
Cmp-05	N		35	35	35	82	83	60	21	21	21	21	21	21	21	21	21	21	21	21
Cmp-06	D		35	35	37	71	41	13	13	13	13	13	13	13	13	13	13	13	13	13
Cmp-07	D		34.0	34.0	78	100	79	49	49	49	49	49	49	49	49	49	49	49	49	49
Cmp-08	D		42.0	42.0	26	65	28	28	28	28	28	28	28	28	28	28	28	28	28	28
Cmp-09	D		61.9	61.9	61	61	41	22	22	22	22	22	22	22	22	22	22	22	22	22
Cmp-10	N		0.26																	
Cmp-11	N		42.0																	
Cmp-12	H		0.24																	
Cmp-13	H		0.94																	
Cmp-14	H		0.26																	
Cmp-15	H		0.389																	
Cmp-16	I		0.87																	
Cmp-17	K		5.22																	
Cmp-18	I		0.24																	
Cmp-19	I		0.14																	
Cmp-20	F		0.317																	
Cmp-21	K		0.23																	
Cmp-22	B		0.15																	
Cmp-23	B		0.27																	
Cmp-24	B		0.27																	
Cmp-25	B		0.080																	
Cmp-26	B		0.080																	
Cmp-27	B		0.111																	
Cmp-28	E		0.13																	
Cmp-29	J		0.46																	
Cmp-30	J		0.25																	
Cmp-31	N		37.0	37.0	41	48	9	17	17	17	17	17	17	17	17	17	17	17	17	17
Cmp-32	J		52	52	5	6	21	8	8	8	8	8	8	8	8	8	8	8	8	8
Cmp-33	N		62	62	30	15	33	33	33	33	33	33	33	33	33	33	33	33	33	33
Cmp-34	J		112	28	75	14	21	21	21	21	21	21	21	21	21	21	21	21	21	21
Cmp-35	J		30	105	62	62	21	21	21	21	21	21	21	21	21	21	21	21	21	21
MICROFIL DEMO 1																				

Fig. 7A

OCT 03 2003

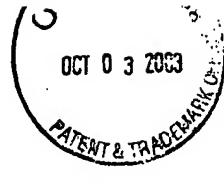
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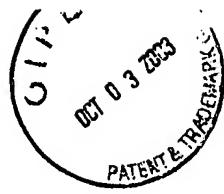
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Expt	Cntrid	Series	HTS SPA			HTS SPA			HTS SPA			HTS SPA		
			Test1	Test2	Test3	Dose-Resp %bind @ 3xIC50	Dose-Resp %bind @ 1xIC50	Dose-Resp %bind @ 3xIC50						
43	Cmpd32	J	0.00	0.00	0.00	112	20	15	20	16	14	21	23	23
44	Cmpd33	N	0.00	0.00	0.00	20	—	—	—	—	—	—	—	—
45	Cmpd34	J	0.00	0.00	0.00	4	26	18	62	—	—	—	—	—
46	Cmpd35	J	0.00	0.00	0.00	33	53	42	—	—	—	—	—	—
47	Cmpd36	J	0.00	0.00	0.00	58	20	38	—	—	—	—	—	—
48	Cmpd37	N	0.00	0.00	0.00	80	51	51	—	—	—	—	—	—
49	Cmpd38	L	0.00	0.00	0.00	67	73	28	—	—	—	—	—	—
50	Cmpd39	F	0.00	0.00	0.00	65	80	49	—	—	—	—	—	—
51	Cmpd40	G	0.00	0.00	0.00	88	45	28	—	—	—	—	—	—
52	Cmpd41	G	0.00	0.00	0.00	88	45	28	—	—	—	—	—	—
53	Cmpd42	F	0.00	0.00	0.00	102	97	92	—	—	—	—	—	—
54	Cmpd43	H	0.00	0.00	0.00	36	25	18	—	—	—	—	—	—
55	Cmpd44	O	0.00	0.00	0.00	78	60	40	—	—	—	—	—	—
56	Cmpd45	F	0.00	0.00	0.00	111	110	104	—	—	—	—	—	—
57	Cmpd46	M	0.00	0.00	0.00	26	21	16	—	—	—	—	—	—
58	Cmpd47	F	0.00	0.00	0.00	108	104	97	—	—	—	—	—	—
59	Cmpd48	F	0.00	0.00	0.00	106	102	83	—	—	—	—	—	—
60	Cmpd49	M	0.00	0.00	0.00	71	43	31	—	—	—	—	—	—
51	Cmpd50	F	0.00	0.00	0.00	112	111	112	—	—	—	—	—	—
52	Cmpd51	G	0.00	0.00	0.00	76	70	44	—	—	—	—	—	—
53	Cmpd52	H	0.00	0.00	0.00	49	24	23	—	—	—	—	—	—
54	Cmpd53	A	0.00	0.00	0.00	16	108	63	—	—	—	—	—	—
55	Cmpd54	A	0.00	0.00	0.00	91	79	76	—	—	—	—	—	—
56	Cmpd55	C	0.00	0.00	0.00	61	64	60	—	—	—	—	—	—
57	Cmpd56	C	0.00	0.00	0.00	80	80	55	—	—	—	—	—	—
58	Cmpd57	A	0.00	0.00	0.00	101	72	42	—	—	—	—	—	—
59	Cmpd58	C	0.00	0.00	0.00	82	89	49	—	—	—	—	—	—
60	Cmpd59	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
61	Cmpd60	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
62	Cmpd61	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
63	Cmpd62	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
64	Cmpd63	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
65	Cmpd64	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
66	Cmpd65	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
67	Cmpd66	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
68	Cmpd67	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
69	Cmpd68	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
70	Cmpd69	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
71	Cmpd70	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
72	Cmpd71	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
73	Cmpd72	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
74	Cmpd73	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
75	Cmpd74	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
76	Cmpd75	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
77	Cmpd76	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
78	Cmpd77	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
79	Cmpd78	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
80	Cmpd79	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
81	Cmpd80	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
82	Cmpd81	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
83	Cmpd82	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
84	Cmpd83	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
85	Cmpd84	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
86	Cmpd85	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
87	Cmpd86	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
88	Cmpd87	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
89	Cmpd88	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
90	Cmpd89	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
91	Cmpd90	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
92	Cmpd91	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
93	Cmpd92	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
94	Cmpd93	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
95	Cmpd94	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
96	Cmpd95	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
97	Cmpd96	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
98	Cmpd97	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
99	Cmpd98	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
100	Cmpd99	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
101	Cmpd100	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
102	Cmpd101	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
103	Cmpd102	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
104	Cmpd103	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
105	Cmpd104	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
106	Cmpd105	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
107	Cmpd106	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
108	Cmpd107	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
109	Cmpd108	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
110	Cmpd109	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
111	Cmpd110	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
112	Cmpd111	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
113	Cmpd112	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
114	Cmpd113	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
115	Cmpd114	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
116	Cmpd115	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
117	Cmpd116	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
118	Cmpd117	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
119	Cmpd118	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
120	Cmpd119	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
121	Cmpd120	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
122	Cmpd121	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
123	Cmpd122	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
124	Cmpd123	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
125	Cmpd124	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
126	Cmpd125	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
127	Cmpd126	C	0.00	0.00	0.00	—	—	—	—	—	—	—	—	—
128	Cmpd127	C	0.00	0.00</										



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Fig. 8A



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Fig. 9A



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NAME	YARDAGE	BALLS	CUP	PUTS	STROKES	PAR	SCORING	MARK
K45	F4 D	F4	D	22				
K46	F8 A	F5	A	-1				
K47	F6 B	F5	B	21				
K48	F6 C	F5	C	23				
K49	F5 D	F8	D	22				
K50	F6 A	F6	A	49				
K51	F6 B	F6	B	35				
K52	F6 C	F6	C	26				
K53	F8 D	F6	D	14				
K54	F7 A	F7	A	4				
K55	F7 B	F7	B	19				
K56	F7 C	F7	C	9				
K57	F7 D	F7	D	15				
K58								
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Fig. 9.



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row	name	add	name	group	Q1M	Q2M	Q3M	Q4M	Q5M	Q6M	Q7M	Q8M	Q9M	Q10M	Q11M	Q12M	Q13M	Q14M	Q15M	Q16M	Q17M	Q18M	Q19M	Q20M	Q21M	Q22M	Q23M	Q24M	Q25M	Q26M	Q27M	Q28M	Q29M	Q30M	Q31M	Q32M	Q33M	Q34M	Q35M	Q36M	Q37M	Q38M	Q39M	Q40M	Q41M	Q42M	Q43M	Q44M	Q45M	Q46M	Q47M	Q48M	Q49M	Q50M	Q51M	Q52M	Q53M	Q54M	Q55M	Q56M	Q57M	Q58M	Q59M	Q60M	Q61M	Q62M	Q63M	Q64M	Q65M	Q66M	Q67M	Q68M	Q69M	Q70M	Q71M	Q72M	Q73M	Q74M	Q75M	Q76M	Q77M	Q78M	Q79M	Q80M	Q81M	Q82M	Q83M	Q84M	Q85M	Q86M	Q87M	Q88M	Q89M	Q90M	Q91M	Q92M	Q93M	Q94M	Q95M	Q96M	Q97M	Q98M	Q99M	Q100M
1	E	A	E1	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50																																																		

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Microsoft Excel - demo - PANDORA v23.1.xls [Read-Only]						
F2A	F2A	F2	A	-32		
F2B	F2B	F2	B	-32		
F2C	F2C	F2	C	-32		
F2D	F2D	F2	D	-32		
F3A	F3A	F3	A	-32		
F3B	F3B	F3	B	-32		
F3C	F3C	F3	C	-32		
F3D	F3D	F3	D	-32		
F4A	F4A	F4	A	-41		
F4B	F4B	F4	B	-39		
F4C	F4C	F4	C	-37		
F4D	F4D	F4	D	-35		
F5A	F5A	F5	A	-1		
F5B	F5B	F5	B	-21		
F5C	F5C	F5	C	-22		
F5D	F5D	F5	D	-23		
F6A	F6A	F6	A	-1		
F6B	F6B	F6	B	-39		
F6C	F6C	F6	C	-39		
F6D	F6D	F6	D	-39		
F7A	F7A	F7	A	-4		
F7B	F7B	F7	B	-16		
F7C	F7C	F7	C	-3		
F7D	F7D	F7	D	-15		
F8						
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F19						
F20						
DETAILED DESCRIPTION OF THE INVENTION						

Fig. 10B

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PATENT & TRADEMARK

Fig. 11A



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EXERCISE NUMBER:	NAME:
Columns:	F4
Sheet #:	DEMO 1
Cluster Col:	B
Color:	Red
Score:	100
Color:	Yellow
Score:	200
Color:	Green
Score:	300
Color:	Blue
Score:	400
Color:	Purple
Score:	500
Color:	Orange
Score:	600
Color:	Black
Score:	700
Color:	White
Score:	800
Color:	Cyan
Score:	900
Color:	Magenta
Score:	1000
Color:	Grey
Score:	1100
Color:	Light Blue
Score:	1200
Color:	Light Magenta
Score:	1300
Color:	Light Cyan
Score:	1400
Color:	Light Grey
Score:	1500
Color:	Dark Red
Score:	1600
Color:	Dark Yellow
Score:	1700
Color:	Dark Green
Score:	1800
Color:	Dark Blue
Score:	1900
Color:	Dark Purple
Score:	2000
Color:	Dark Orange
Score:	2100
Color:	Dark Black
Score:	2200
Color:	Dark White
Score:	2300
Color:	Dark Cyan
Score:	2400
Color:	Dark Magenta
Score:	2500
Color:	Dark Light Blue
Score:	2600
Color:	Dark Light Magenta
Score:	2700
Color:	Dark Light Cyan
Score:	2800
Color:	Dark Light Grey
Score:	2900
Color:	Dark Grey
Score:	3000
Color:	Dark Red
Score:	3100
Color:	Dark Yellow
Score:	3200
Color:	Dark Green
Score:	3300
Color:	Dark Blue
Score:	3400
Color:	Dark Purple
Score:	3500
Color:	Dark Orange
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Color:	Dark Black
Score:	3700
Color:	Dark White
Score:	3800
Color:	Dark Cyan
Score:	3900
Color:	Dark Magenta
Score:	4000
Color:	Dark Light Blue
Score:	4100
Color:	Dark Light Magenta
Score:	4200
Color:	Dark Light Cyan
Score:	4300
Color:	Dark Light Grey
Score:	4400
Color:	Dark Grey
Score:	4500
Color:	Dark Red
Score:	4600
Color:	Dark Yellow
Score:	4700
Color:	Dark Green
Score:	4800
Color:	Dark Blue
Score:	4900
Color:	Dark Purple
Score:	5000
Color:	Dark Orange
Score:	5100
Color:	Dark Black
Score:	5200
Color:	Dark White
Score:	5300
Color:	Dark Cyan
Score:	5400
Color:	Dark Magenta
Score:	5500
Color:	Dark Light Blue
Score:	5600
Color:	Dark Light Magenta
Score:	5700
Color:	Dark Light Cyan
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Score:	5900
Color:	Dark Grey
Score:	6000
Color:	Dark Red
Score:	6100
Color:	Dark Yellow
Score:	6200
Color:	Dark Green
Score:	6300
Color:	Dark Blue
Score:	6400
Color:	Dark Purple
Score:	6500
Color:	Dark Orange
Score:	6600
Color:	Dark Black
Score:	6700
Color:	Dark White
Score:	6800
Color:	Dark Cyan
Score:	6900
Color:	Dark Magenta
Score:	7000
Color:	Dark Light Blue
Score:	7100
Color:	Dark Light Magenta
Score:	7200
Color:	Dark Light Cyan
Score:	7300
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Score:	7400
Color:	Dark Grey
Score:	7500
Color:	Dark Red
Score:	7600
Color:	Dark Yellow
Score:	7700
Color:	Dark Green
Score:	7800
Color:	Dark Blue
Score:	7900
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Score:	8000
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Score:	8900
Color:	Dark Grey
Score:	9000
Color:	Dark Red
Score:	9100
Color:	Dark Yellow
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Color:	Dark Orange
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Color:	Dark White
Score:	9800
Color:	Dark Cyan
Score:	9900
Color:	Dark Magenta
Score:	10000

Fig. 11B



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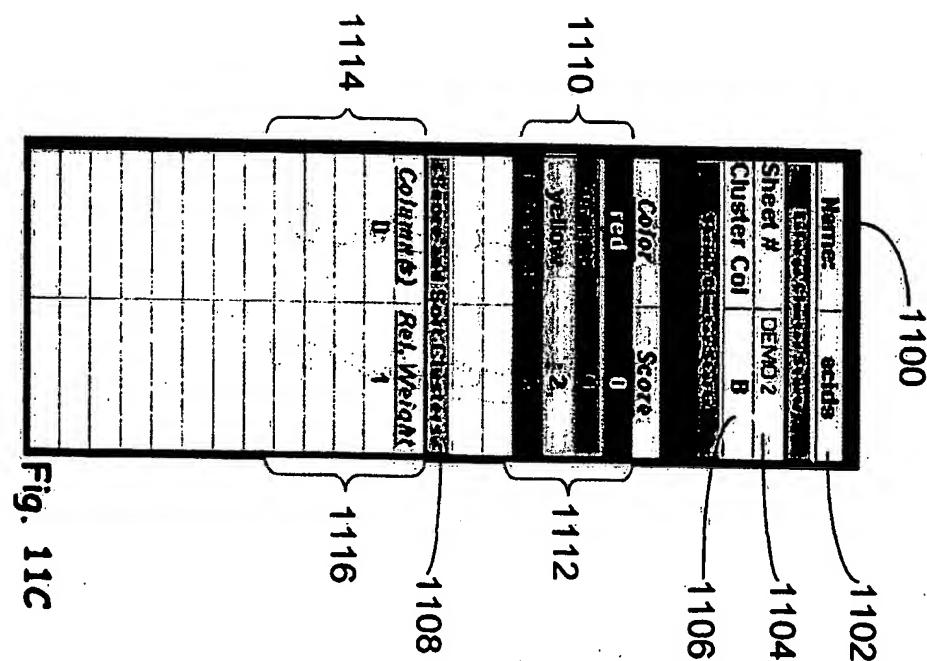
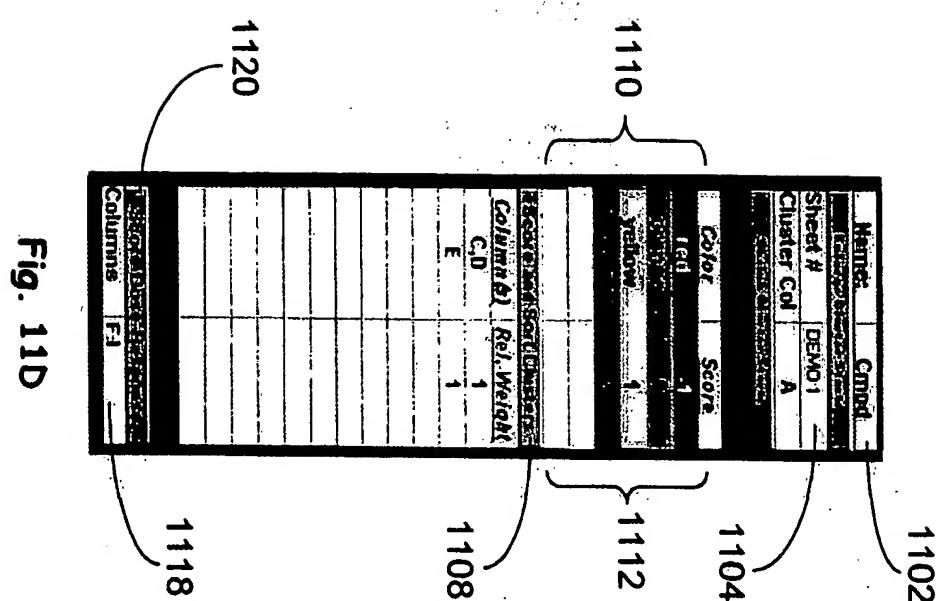


Fig. 11C





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LERMAN
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Microsoft Excel - demo~PANDORA~v23.1.xls [Read-Only]

Fig. 12

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LERMAN
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Dose	Sample	IC50 (nm)	DATE	#PTS		IC50 (nm)	DATE	SELECT	MTY
				# of repeats	S# Test1	Test1	Test2	Test2	Test2
100	[+] Benzocaine	no effect	10000	7/20/97	4	8381	4/10/97		
100	[+] Benzocaine	no effect	10000	7/20/97	4	>10000 (blank)	4/10/97		
100	[+] Benzocaine	no effect	10000	7/20/97	4	3133	3/25/90	0.00	
100	[+] Benzocaine	no effect	10000	7/20/97	4	(blank)	3/24/98	0.00	
100	0277	1150-233350	3697	3		3575	35498	3821	
100	0278	1150-233350	42897	3		3697	3698	3700	
100	0628	no effect	10897	3		4100	36997	1539	
100	0661	10897	3697	3		4100	36997	1539	
100	0697	no effect	10897	3		4100	36997	1539	
100	0793	10897	417797	4285714886	26985	3683385714	679.87		
100	0898	no effect	61122798	5		811897	32.99		
100	10817-018-C	no effect	61122798	4		811897	8.99		
100	1210	no effect	61122797	6		75000	62497	2083.23	
100	1328	no effect	8112397	5		23161	811897	1159.05	
100	1356	no effect	8112397	5		23003	811897	310.41	
100	1377	>300	8114957	5		43105	822097		
100	1398	no effect	8114957	5		>100000	811897		
100	1429	no effect	8114957	5		85442	811897	201.61	
100	1431	no effect	8114957	5		>100000	811897		
100	1432	no effect	8114957	5		34184	811897	242.44	
100	1433	no effect	8114957	5		62295	73197	418.09	
100	1434	no effect	8114957	5		5080	713097	35.03	
100	1435	no effect	8114957	4		63000	71297	239.06	
100	1436	>200	71167	4		no effect	71297		
100	1437	no effect	811397	5		4857	811897	41.35	
100	1438	no effect	712597	5		16567	733097		
100	1439	no effect	8114957	5		no effect	822097		
100	1440	no effect	8114957	5		>100000	811897		
100	1441	no effect	10897	4		10897	10897		
100	1442	no effect	8114957	5		no effect	822097		
100	1443	no effect	10897	5		15486	713097	463.21	
100	1444	no effect	8114957	5		no effect	822097		
100	1445	no effect	10897	4		10897	10897		
100	1446	no effect	8114957	5		no effect	822097		
100	1447	no effect	10897	5		15486	713097	463.21	
100	1448	no effect	8114957	5		no effect	822097		
100	1449	no effect	10897	5		10897	10897		
100	1450	no effect	8114957	5		no effect	822097		
100	1451	no effect	10897	5		10897	10897		
100	1452	no effect	8114957	5		no effect	822097		
100	1453	no effect	8114957	5		no effect	822097		
100	1454	no effect	8114957	5		no effect	822097		
100	1455	no effect	8114957	5		no effect	822097		
100	1456	no effect	8114957	5		no effect	822097		
100	1457	no effect	8114957	5		no effect	822097		
100	1458	no effect	8114957	5		no effect	822097		

Fig. 13A



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CHPO D	# of replicates	S #	#PTS Test	IC50 (nM) Test	DATE Test	#PTS Test2	IC50 (nM) Test2	DATE Test2	SELECT MTY
5261	5533		1307	62087	4	11000	62587	9249	
5260	6281			62087	5	6000	62587	17143	
5261	6478			91797	5	2680	91687	4928	
5261	6573		>300	94497	5	2486	91187		
5261	6741			91787	5	1330	91687	2375	
5261	6898			91897	5	10000	92397	160000	
5261	7077		>200	91897	4	>10000	92397		
5261	7338			91897	5	200	91687	2017	
5261	7388			91897	5	19000	91687	317	
5261	7946			91287	5	419	91687	1483	
5261	8314			91287	5	200	91687		
5261	8437			91287	5	2706	91687		
5261	8503			91287	5	>10000	91687		
5261	8516			91287	5	192	91687	9175	
5261	8517			91287	5	2838	91687	7272	
5261	8671		>300	91287	5	38802	91687		
5261	8825		>300	91687	5	no effect	91687		
5261	8887			91687	5	3233	91687	1618	
5261	8888			91687	5	9480	91687		
5261	8889			91687	5	10820	91687		
5261	9116			91287	5	16000	71087	15034	
5261	9176			91387	5	2013	91687	4576	
5261	9177			91387	5	1168	91687	8343	
5261	9202			91387	5	3143	91687		
5261	9203		>300	102387	5	112288	0.00		
5261	9261			111497	5	1880	111497	8253	
5261	9260			10887		no effect			
5261	DHEA-S			92487	5	no effect	92487		
5261	DTG			92487	5	no effect	92487		
5261	Hypoxanthine			92487	5	21360	2227		
5261	PPBP			91187	5	800	2597	11	
5261	PPP		>10000	37797	5	3570	91687	12110	
5261	Propriophenone		>10000	92487	5	75170	2697		
5261	Propriophenone		>10000	92487	5	no effect	92487	0.00	

Fig. 13B

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FBI - TAMPA

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C/N/P/D ID	# of replicates	S #	#PTS Test1	IC50 (nM) Test1	DATE Test1	#PTS Test2	IC50 (nM) Test2	DATE Test2	SELECT MTY		
108-17-018-C	1216	1329									
108-17-018-C	1216	1330									
108-17-018-C	1216	1331									
108-17-018-C	1216	1332									
108-17-018-C	1216	1333									
108-17-018-C	1216	1334									
108-17-018-C	1216	1335									
108-17-018-C	1216	1336									
108-17-018-C	1216	1337									
108-17-018-C	1216	1338									
108-17-018-C	1216	1339									
108-17-018-C	1216	1341									
108-17-018-C	1216	1342									
108-17-018-C	1216	1343									
108-17-018-C	1216	1344									
108-17-018-C	1216	1345									
108-17-018-C	1216	1346									
108-17-018-C	1216	1347									
108-17-018-C	1216	1348									
108-17-018-C	1216	1349									
108-17-018-C	1216	1350									
108-17-018-C	1216	1351									
108-17-018-C	1216	1352									
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108-17-018-C	1216	1354									
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108-17-018-C	1216	1361									
108-17-018-C	1216	1362									
108-17-018-C	1216	1363									
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108-17-018-C	1216	1369									
108-17-018-C	1216	1370									
108-17-018-C	1216	1371									
108-17-018-C	1216	1372									
108-17-018-C	1216	1373									
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108-17-018-C	1216	1377									
108-17-018-C	1216	1378									
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108-17-018-C	1216	1381									
108-17-018-C	1216	1382									
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108-17-018-C	1216	1397									
108-17-018-C	1216	1398									
108-17-018-C	1216	1399									
108-17-018-C	1216	1400									
108-17-018-C	1216	1401									
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108-17-018-C	1216	1430									
108-17-018-C	1216	1431									
108-17-018-C	1216	1432									
108-17-018-C	1216	1433									
108-17-018-C	1216	1434									
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108-17-018-C	1216	1443									
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108-17-018-C	1216	1456									
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108-17-018-C	1216	1461									
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108-17-018-C	1216	1463									
108-17-018-C	1216	1464									
108-17-018-C	1216	1465									
108-17-018-C	1216	1466									
108-17-018-C	1216	1467									
108-17-018-C	1216	1468									
108-17-018-C	1216	1469									
108-17-018-C	1216	1470									
108-17-018-C	1216	1471									
108-17-018-C	1216	1472				</td					



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CNFD ID	# of Applicates	S#	#PTS Test	IC50 (nM) Test	DATE Test		#PTS Test2	IC50 (nM) Test2	DATE Test2		SELECT MTY
					Test1	Test2			Test1	Test2	
301	1										
302	1										
303	1										
304	1										
305	1										
306	1										
307	1										
308	1										
309	1										
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500	1										
501	1										

Fig. 13D

CST 03 232

CST 03 2003
PATENT & TRADEMARK OFFICE

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ANALYSTS
AND
TESTERS
FOR
INDUSTRY

302

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1402

Fig. 14A

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LERMAN

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Cmpd	Series	Test1	Test2	Test3	HTS SPA		HTS SPA		HTS SPA	
					Dose-Resp	% Inhib @ 300 nM	Dose-Resp	% Inhib @ 300 nM	Dose-Resp	% Inhib @ 300 nM
Cmpd1	L				90		76		72	
Cmpd4	O				76		71		65	
Cmpd5	M				71		68		61	
Cmpd3	A		0.18		51		48		42	
Cmpd6	D				23		19		13	
Cmpd11	G		0.50		63		58		51	
Cmpd2	H	0.33	0.17	45	63	54	49	41	34	31
Cmpd7	D	0.38	0.17	45	63	54	49	41	34	31
Cmpd14	H	0.28	0.11	45	63	54	49	41	34	31
Cmpd15	H	0.388	0.148	45	63	54	49	41	34	31
Cmpd25	B				52		48		42	
Cmpd9	F	0.18	0.11	50	60	55	50	42	35	32
Cmpd42	F	0.28	0.9	50	60	55	50	42	35	32
Cmpd47	F				50		45		38	
Cmpd50	F				50		45		38	
Cmpd1	G				50		45		38	
Cmpd27	A				50		45		38	
Cmpd9	D	0.118			50		45		38	
Cmpd19	N	0.220			50		45		38	
Cmpd12	H	0.220	0.04		50		45		38	
Cmpd19	I	0.04			50		45		38	
Cmpd20	F		0.317		50		45		38	
Cmpd2	B		0.15		50		45		38	
Cmpd24	B		0.27		50		45		38	
Cmpd26	B	0.088			50		45		38	
Cmpd3	E		0.10		50		45		38	
Cmpd23	J	0.05	0.46		50		45		38	
Cmpd33	J	0.02			50		45		38	
Cmpd4	G	0.088			50		45		38	
Cmpd5	H	0.05			50		45		38	
Cmpd6	F	0.05			50		45		38	

Fig. 14B



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Fig. 14c



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Group	Score
1st	17
2nd	17
3rd	17
4th	17
5th	17
6th	17
7th	17
8th	17
9th	17
10th	17
11th	17
12th	17
13th	17
14th	17
15th	17
16th	17
17th	17
18th	17
19th	17
20th	17
21st	17
22nd	17
23rd	17
24th	17
25th	17
26th	17
27th	17
28th	17
29th	17
30th	17
31st	17
32nd	17
33rd	17
34th	17
35th	17
36th	17
37th	17
38th	17
39th	17
40th	17
41st	17
42nd	17
43rd	17
44th	17
45th	17
46th	17
47th	17
48th	17
49th	17
50th	17
51st	17
52nd	17
53rd	17
54th	17
55th	17
56th	17
57th	17
58th	17
59th	17
60th	17
61st	17
62nd	17
63rd	17
64th	17
65th	17
66th	17
67th	17
68th	17
69th	17
70th	17
71st	17
72nd	17
73rd	17
74th	17
75th	17
76th	17
77th	17
78th	17
79th	17
80th	17
81st	17
82nd	17
83rd	17
84th	17
85th	17
86th	17
87th	17
88th	17
89th	17
90th	17
91st	17
92nd	17
93rd	17
94th	17
95th	17
96th	17
97th	17
98th	17
99th	17
100th	17

Fig. 14D

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cluster label	# of unipos (unclustered)	Score max. 100 (= 250) * 4 = 1000	Score max. 100 (= 250) * 4 = 1000
E1	4	92	82
F2	4	82	82
E7	4	83	83
F1	4	76	76
F6	4	67	67
F3	4	58	58
E2	4	50	50
E5	4	32	32
E10	4	25	25
E4	4	17	17
E5	4	17	17
E8	4	17	17
F2	4	17	17
F4	4	8	8
F5	4	8	8
F7	4	8	8

Fig. 15A



Sample	measure	acid	amine	activity @ 1 μM
E1-A	E1	A		
E1-B	E1	B		
E1-C	E1	C		40
E1-D	E1	D		
F2-A	F2	A		2
F2-B	F2	B		
F2-C	F2	C		
F2-D	F2	D		
E1-A	E1	A		
E1-B	E1	B		
E1-C	E1	C		
E1-D	E1	D		
F3-A	F3	A		
F3-B	F3	B		
F3-C	F3	C		
F3-D	F3	D		
F3-E	F3	E		
F3-F	F3	F		
F3-G	F3	G		
F3-H	F3	H		
F3-I	F3	I		
F3-J	F3	J		
F3-K	F3	K		
F3-L	F3	L		
F3-M	F3	M		
F3-N	F3	N		
F3-O	F3	O		
F3-P	F3	P		
F3-Q	F3	Q		
F3-R	F3	R		
F3-S	F3	S		
F3-T	F3	T		
F3-U	F3	U		
F3-V	F3	V		
F3-W	F3	W		
F3-X	F3	X		
F3-Y	F3	Y		
F3-Z	F3	Z		
F4-A	F4	A		
F4-B	F4	B		
F4-C	F4	C		
F4-D	F4	D		
F5-A	F5	A		
F5-B	F5	B		
F5-C	F5	C		
F5-D	F5	D		
F5-E	F5	E		
F5-F	F5	F		
F5-G	F5	G		
F5-H	F5	H		
F5-I	F5	I		
F5-J	F5	J		
F5-K	F5	K		
F5-L	F5	L		
F5-M	F5	M		
F5-N	F5	N		
F5-O	F5	O		
F5-P	F5	P		
F5-Q	F5	Q		
F5-R	F5	R		
F5-S	F5	S		
F5-T	F5	T		
F5-U	F5	U		
F5-V	F5	V		
F5-W	F5	W		
F5-X	F5	X		
F5-Y	F5	Y		
F5-Z	F5	Z		
F6-A	F6	A		
F6-B	F6	B		
F6-C	F6	C		25
F6-D	F6	D		
F6-E	F6	E		
F6-F	F6	F		
F6-G	F6	G		
F6-H	F6	H		
F6-I	F6	I		
F6-J	F6	J		
F6-K	F6	K		
F6-L	F6	L		
F6-M	F6	M		
F6-N	F6	N		
F6-O	F6	O		
F6-P	F6	P		
F6-Q	F6	Q		
F6-R	F6	R		
F6-S	F6	S		
F6-T	F6	T		
F6-U	F6	U		
F6-V	F6	V		
F6-W	F6	W		
F6-X	F6	X		
F6-Y	F6	Y		
F6-Z	F6	Z		
F7-A	F7	A		
F7-B	F7	B		
F7-C	F7	C		
F7-D	F7	D		
F7-E	F7	E		
F7-F	F7	F		
F7-G	F7	G		
F7-H	F7	H		
F7-I	F7	I		
F7-J	F7	J		
F7-K	F7	K		
F7-L	F7	L		
F7-M	F7	M		
F7-N	F7	N		
F7-O	F7	O		
F7-P	F7	P		
F7-Q	F7	Q		
F7-R	F7	R		
F7-S	F7	S		
F7-T	F7	T		
F7-U	F7	U		
F7-V	F7	V		
F7-W	F7	W		
F7-X	F7	X		
F7-Y	F7	Y		
F7-Z	F7	Z		
F8-A	F8	A		
F8-B	F8	B		
F8-C	F8	C		
F8-D	F8	D		
F8-E	F8	E		
F8-F	F8	F		
F8-G	F8	G		
F8-H	F8	H		
F8-I	F8	I		
F8-J	F8	J		
F8-K	F8	K		
F8-L	F8	L		
F8-M	F8	M		
F8-N	F8	N		
F8-O	F8	O		
F8-P	F8	P		
F8-Q	F8	Q		
F8-R	F8	R		
F8-S	F8	S		
F8-T	F8	T		
F8-U	F8	U		
F8-V	F8	V		
F8-W	F8	W		
F8-X	F8	X		
F8-Y	F8	Y		
F8-Z	F8	Z		
F9-A	F9	A		
F9-B	F9	B		
F9-C	F9	C		
F9-D	F9	D		
F9-E	F9	E		
F9-F	F9	F		
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F9-I	F9	I		
F9-J	F9	J		
F9-K	F9	K		
F9-L	F9	L		
F9-M	F9	M		
F9-N	F9	N		
F9-O	F9	O		
F9-P	F9	P		
F9-Q	F9	Q		
F9-R	F9	R		
F9-S	F9	S		
F9-T	F9	T		
F9-U	F9	U		
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F9-X	F9	X		
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F10-A	F10	A		
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F10-H	F10	H		
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F10-K	F10	K		
F10-L	F10	L		
F10-M	F10	M		
F10-N	F10	N		
F10-O	F10	O		
F10-P	F10	P		
F10-Q	F10	Q		
F10-R	F10	R		
F10-S	F10	S		
F10-T	F10	T		
F10-U	F10	U		
F10-V	F10	V		
F10-W	F10	W		
F10-X	F10	X		
F10-Y	F10	Y		
F10-Z	F10	Z		
F11-A	F11	A		
F11-B	F11	B		
F11-C	F11	C		
F11-D	F11	D		
F11-E	F11	E		
F11-F	F11	F		
F11-G	F11	G		
F11-H	F11	H		
F11-I	F11	I		
F11-J	F11	J		
F11-K	F11	K		
F11-L	F11	L		
F11-M	F11	M		
F11-N	F11	N		
F11-O	F11	O		
F11-P	F11	P		
F11-Q	F11	Q		
F11-R	F11	R		
F11-S	F11	S		
F11-T	F11	T		
F11-U	F11	U		
F11-V	F11	V		
F11-W	F11	W		
F11-X	F11	X		
F11-Y	F11	Y		
F11-Z	F11	Z		
F12-A	F12	A		
F12-B	F12	B		
F12-C	F12	C		
F12-D	F12	D		
F12-E	F12	E		
F12-F	F12	F		
F12-G	F12	G		
F12-H	F12	H		
F12-I	F12	I		
F12-J	F12	J		
F12-K	F12	K		
F12-L	F12	L		
F12-M	F12	M		
F12-N	F12	N		
F12-O	F12	O		
F12-P	F12	P		
F12-Q	F12	Q		
F12-R	F12	R		
F12-S	F12	S		
F12-T	F12	T		
F12-U	F12	U		
F12-V	F12	V		
F12-W	F12	W		
F12-X	F12	X		
F12-Y	F12	Y		
F12-Z	F12	Z		
F13-A	F13	A		
F13-B	F13	B		
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F13-E	F13	E		
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F13-H	F13	H		
F13-I	F13	I		
F13-J	F13	J		
F13-K	F13	K		
F13-L	F13	L		
F13-M	F13	M		
F13-N	F13	N		
F13-O	F13	O		
F13-P	F13	P		
F13-Q	F13	Q		
F13-R	F13	R		
F13-S	F13	S		
F13-T	F13	T		
F13-U	F13	U		
F13-V	F13	V		
F13-W	F13	W		
F13-X	F13	X		
F13-Y	F13	Y		
F13-Z	F13	Z		
F14-A	F14	A		
F14-B	F14	B		
F14-C	F14	C		
F14-D	F14	D		
F14-E	F14	E		
F14-F	F14	F		
F14-G	F14	G		
F14-H	F14	H		
F14-I	F14	I		
F14-J	F14	J		
F14-K	F14	K		
F14-L	F14	L		
F14-M	F14	M		
F14-N	F14	N		
F14-O	F14	O		
F14-P	F14	P		
F14-Q	F14	Q		
F14-R	F14	R		
F14-S	F14	S		
F14-T	F14	T		
F14-U	F14	U		
F14-V	F14	V		
F14-W	F14	W		
F14-X	F14	X		
F14-Y	F14	Y		
F14-Z	F14	Z		
F15-A	F15	A		
F15-B	F15	B		
F15-C	F15	C		
F15-D	F15	D		
F15-E	F15	E		
F15-F	F15	F		
F15-G	F15	G		
F15-H	F15	H		
F15-I	F15	I		
F15-J	F15	J		
F15-K	F15	K		
F15-L	F15	L		
F15-M	F15	M		
F15-N	F15	N		
F15-O	F15	O		
F15-P	F15	P		
F15-Q	F15	Q		
F15-R	F15	R		
F15-S	F15	S		
F15-T	F15	T		
F15-U	F15	U		
F15-V	F15	V		
F15-W	F15	W		
F15-X	F15	X		
F15-Y	F15	Y		
F15-Z	F15	Z		
F16-A	F16	A		
F16-B	F16	B		
F16-C	F16	C		
F16-D	F16	D		
F16-E	F16	E		
F16-F	F16	F		
F16-G	F16	G		
F16-H	F16	H		
F16-I	F16	I		
F16-J	F16	J		
F16-K	F16	K		
F16-L	F16	L		
F16-M	F16	M		
F16-N	F16	N		
F16-O	F16	O		
F16-P	F16	P		
F16-Q	F16	Q		
F16-R	F16	R		
F16-S	F16	S		
F16-T	F16	T		
F16-U	F16	U		
F16-V	F16	V		
F16-W	F16	W		
F16-X	F16	X		</

		HTS SPA	HTS SPA	HTS SPA	HTS SPA
	Cmpd	Dose-Resp % Inhib @ 3x10-6M	Dose-Resp % Inhib @ 1x10-6M	Dose-Resp % Inhib @ 3x10-7M	Dose-Resp % Inhib @ 1x10-7M
1					
2	Cmpd01	22	16	19	
3	Cmpd02	41	3	22	5
4	Cmpd03		57	28	15
5	Cmpd04		25	24	29
6	Cmpd05		50	21	22
7	Cmpd06		41	13	3
8	Cmpd07		48	43	
9	Cmpd08	65	28	43	
10	Cmpd09		41	22	15
11	Cmpd10	61	42	24	5
12	Cmpd11	50		53	25
13	Cmpd12	47	25	24	3
14	Cmpd13		169	40	37
15	Cmpd14	39	23	4	12
16	Cmpd15		148	46	35
17	Cmpd16			38	18
18	Cmpd17			47	24
19	Cmpd18		34	22	32
20	Cmpd19			29	12
21	Cmpd20				

Figure 16A





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Color Information	
sheet	DEMO 1
column(s)	B:E
# of colors	3
break 1	33
break 2	67
break 3	
color 1	red
color 2	yellow
color 3	

Figure 16B

	A	B	C	D	E	F	G	H
Cmpd	HTS SPA % Inhib @ 3x10-6M	HTS SPA % Inhib @ 1x10-6M	HTS SPA % Inhib @ 3x10-7M	HTS SPA % Inhib @ 1x10-7M	Dose-Resp score (0 to 100)	Dose-Resp activity (0 to 100)	Dose-Resp composite score (0 to 100)	D-R by Cmpd
1								
2	Cmpd20	100	100	100	75	100	100	100
3	Cmpd07	100	100	100	83	77	79	79
4	Cmpd13	100	100	100	83	70	75	75
5	Cmpd15	100	100	100	83	70	75	75
6	Cmpd16	100	100	100	83	70	75	75
7	Cmpd17	100	100	100	83	70	75	75
8	Cmpd13	100	100	100	83	70	75	75
9	Cmpd05	100	100	100	83	70	75	75
10	Cmpd06	100	100	100	83	70	75	75
11	Cmpd09	100	100	100	83	70	75	75
12	Cmpd11	100	100	100	83	70	75	75
13	Cmpd18	100	100	100	83	70	75	75
14	Cmpd19	100	100	100	83	70	75	75
15	Cmpd10	100	100	100	83	70	75	75
16	Cmpd01	100	100	100	83	70	75	75
17	Cmpd04	100	100	100	83	70	75	75
18	Cmpd02	100	100	100	83	70	75	75
19	Cmpd08	100	100	100	83	70	75	75
20	Cmpd12	100	100	100	83	70	75	75
21	Cmpd14	100	100	100	83	70	75	75

Fig. 16c



	A	B	C	D	E	F	G	H
Cmpd	HTS SPA Dose-Resp % Inhib @ 3x10-6M	HTS SPA Dose-Resp % Inhib @ 1x10-6M	HTS SPA Dose-Resp % Inhib @ 3x10-7M	HTS SPA Dose-Resp % Inhib @ 1x10-7M	D-R iveness score (0 to 100)	D-R activity score (0 to 100)	D-R composite score (0 to 100)	D-R by Cmpd
1								
22	marker_7.5				75	100	100	
23	marker_7.0				83	87	86	
24	marker_6.5				92	50	70	
25	marker_6.0		50	49	24	92	57	
26	marker_5.5	49	24	9	9	23	45	
27	marker_5.0	23	9	3	3	83	7	
					75	0	38	

Figure 16D

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z					
Cmpd	HTS SPA Dose-Resp % Inhib @ 3x10-6M	HTS SPA Dose-Resp % Inhib @ 1x10-6M	HTS SPA Dose-Resp % Inhib @ 3x10-7M	HTS SPA Dose-Resp % Inhib @ 1x10-7M	D-R score (0 to 100) by	D-R activity (0 to 100) by	D-R composite score (0 to 100) by	Interp. log IC50 by	est μM by	Cmpd	Cmpd	Cmpd	Cmpd	Cmpd	Cmpd	Cmpd	Cmpd	Cmpd	Cmpd	Cmpd	Cmpd	Cmpd	Cmpd	Cmpd	Cmpd						
1	3.00e-08	1.00e-06	3.00e-07	1.00e-07	75	100	100	<0.1		2	Cmpd20	40	40	40	40	40	40	40	40	40	40	40	40	40	40						
3	marker 7.5				75	100	100			4	marker 7.0	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40					
5	Cmpd7	40	40	40	40	40	40	40	40	6	Cmpd13	59	40	37	83	70	75	6.66	0.22	7	Cmpd15	46	46	46	46	46	46	46	46	46	
8	Cmpd16	46	46	46	46	46	46	46	46	9	marker 6.5	38	49	49	49	49	49	49	49	49	10	Cmpd17	64	47	29	24	24	24	24	24	24
11	Cmpd19	57	57	57	57	57	57	57	57	12	Cmpd25	80	21	13	3	15	15	15	15	15	13	Cmpd26	41	23	23	57	57	57	57	57	57
14	Cmpd29	38	38	38	38	38	38	38	38	15	Cmpd11	30	1	1	1	1	1	1	1	1	16	Cmpd18	54	54	54	54	54	54	54	54	54
17	marker 6.0				50	50	50			18	Cmpd19	61	42	42	42	42	42	42	42	42	19	Cmpd10	61	13	13	13	13	13	13	13	13
20	Cmpd11	55	55	55	55	55	55	55	55	21	Cmpd4	41	35	35	35	35	35	35	35	35	22	Cmpd2	41	24	24	24	24	24	24	24	24
23	Cmpd8	63	26	26	26	26	26	26	26	24	Cmpd2	47	23	23	23	23	23	23	23	23	25	Cmpd4	39	12	12	12	12	12	12	12	12
26	marker 5.5	49	24	24	24	24	24	24	24	27	marker 5.0	35	9	9	9	9	9	9	9	9											

Figure 16E

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The complete data set for 3 points and 3 colors, in systematic order.

compound	percent inhibition		data group number		data group color	
	highest conc	lowest conc	highest conc	lowest conc	highest conc	lowest conc
cmpd 01	2	29	22	1	1	1
cmpd 02	15	10	38	1	1	2
cmpd 03	31	26	79	1	1	1
cmpd 04	21	46	25	1	1	1
cmpd 05	30	53	61	1	2	2
cmpd 06	17	37	70	1	2	1
cmpd 07	26	90	17	1	3	2
cmpd 08	10	80	38	1	3	2
cmpd 09	32	72	94	1	3	1
cmpd 10	34	17	15	2	2	1
cmpd 11	51	8	42	2	2	1
cmpd 12	58	3	69	2	2	1
cmpd 13	33	39	14	2	2	1
cmpd 14	53	52	55	2	2	1
cmpd 15	51	62	87	2	2	1
cmpd 16	85	82	6	2	2	1
cmpd 17	43	71	41	2	2	1
cmpd 18	65	89	77	2	2	1
cmpd 19	67	11	9	3	3	2
cmpd 20	87	5	68	3	3	2
cmpd 21	77	8	70	2	2	1
cmpd 22	78	36	0	1	1	1
cmpd 23	85	40	63	1	1	1
cmpd 24	83	57	88	1	1	1
cmpd 25	88	57	88	1	1	1
cmpd 26	35	15	15	1	1	1
cmpd 27	69	91	3	3	3	3

Fig. 16F





Fig. 166

The complete data set for 3 points and 3 colors, sorted by decreasing dose-responsiveness

compound	highest conc.	→ lowest conc.	step scoring	unscaled score	scaled points	responsiveness
cmpd 22	+1+1	-	2	100	100	100
cmpd 10	+1+0	-	1	88	88	88
cmpd 13	0+1	-	1	88	88	88
cmpd 19	+1+0	-	1	88	88	88
cmpd 23	+1+0	-	1	88	88	88
cmpd 25	+1+0	-	1	88	88	88
cmpd 26	+1+0	-	1	88	88	88
cmpd 01	0+0	-	1	88	88	88
cmpd 14	0+0	-	1	88	88	88
cmpd 27	0+0	-	1	75	75	75
cmpd 04	0+0	-	1	75	75	75
cmpd 07	-3+1	-	2	0	0	0
cmpd 08	-3+1	-	2	0	0	0
cmpd 11	-3+1	-	2	0	0	0
cmpd 12	-3+1	-	2	0	0	0
cmpd 16	-3+1	-	2	0	0	0
cmpd 17	-3+1	-	2	0	0	0
cmpd 20	-3+1	-	2	0	0	0
cmpd 21	-3+1	-	2	0	0	0
cmpd 24	-3+1	-	2	0	0	0
cmpd 02	0-3	-	3	38	38	38
cmpd 03	0-3	-	3	38	38	38
cmpd 05	3+0	-	3	38	38	38
cmpd 09	3+0	-	3	38	38	38
cmpd 15	0-3	-	3	38	38	38
cmpd 18	3+0	-	3	38	38	38
cmpd 06	3-3	-	3	38	38	38



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The complete set of data for 3 points and 3 colors, sorted by decreasing overall activity.

Compound	data group number		data group color		activity scoring	unscaled activity points	scaled activity 0-100
	highest conc	→	lowest conc	→			
cmpd 27	3	3	3	3	(13)•(23)•(33)	18	100
cmpd 18	2	2	3	3	(2)•(23)•(33)	17	92
cmpd 24	3	2	2	3	(1)•(23)•(33)	16	83
cmpd 09	1	3	3	3	(13)•(23)•(32)	18	83
cmpd 28	3	3	2	3	(13)•(23)•(32)	15	75
cmpd 16	2	2	3	3	(2)•(22)•(33)	15	75
cmpd 17	2	3	3	2	(2)•(23)•(32)	14	67
cmpd 21	3	3	1	3	(13)•(21)•(33)	14	67
cmpd 08	1	2	2	3	(11)•(22)•(33)	14	67
cmpd 23	3	3	2	2	(13)•(22)•(32)	13	58
cmpd 08	1	3	3	2	(11)•(23)•(32)	13	58
cmpd 12	2	1	3	3	(2)•(21)•(33)	13	58
cmpd 25	3	2	3	1	(13)•(23)•(31)	12	50
cmpd 14	1	2	2	3	(22)•(22)•(32)	12	50
cmpd 03	1	1	3	3	(11)•(21)•(33)	12	50
cmpd 16	2	2	1	3	(12)•(23)•(31)	11	42
cmpd 20	3	2	1	3	(13)•(21)•(32)	11	42
cmpd 05	1	4	1	3	(1)•(22)•(32)	11	42
cmpd 22	3	3	2	2	(13)•(22)•(31)	10	33
cmpd 07	1	1	2	3	(11)•(23)•(31)	10	33
cmpd 11	2	2	1	2	(2)•(21)•(32)	9	25
cmpd 13	2	2	1	2	(2)•(22)•(31)	9	25
cmpd 02	1	1	2	1	(11)•(21)•(32)	8	25
cmpd 19	3	3	2	1	(13)•(21)•(31)	8	25
cmpd 04	1	2	1	3	(13)•(20)•(31)	8	25
cmpd 10	2	1	3	1	(12)•(20)•(31)	7	17
cmpd 01	1	2	1	2	(1)•(21)•(31)	0	8

Fig. 16H

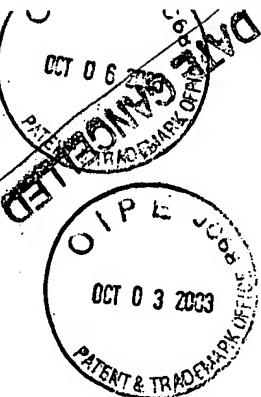
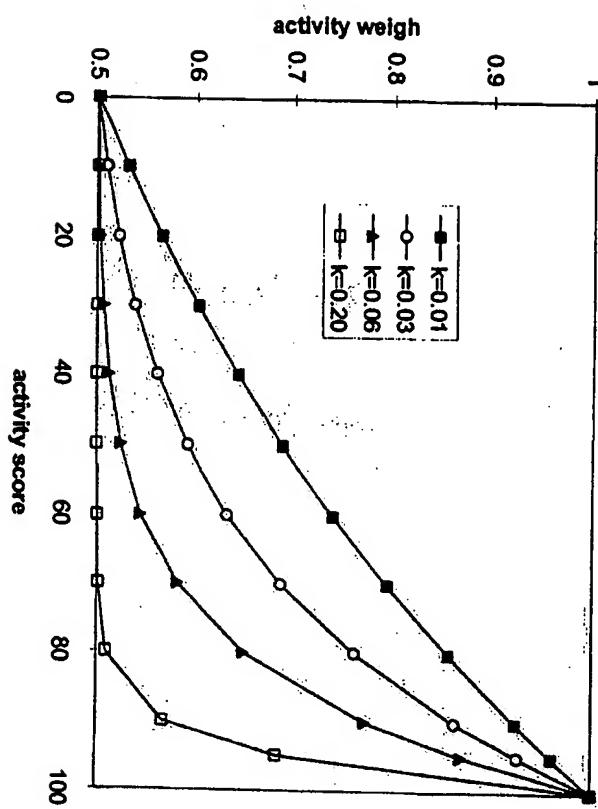


Fig. 16I

Variable Weighting of the Activity Score





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The complete set of data for 3 points and 3 colors, sorted by decreasing composite score.

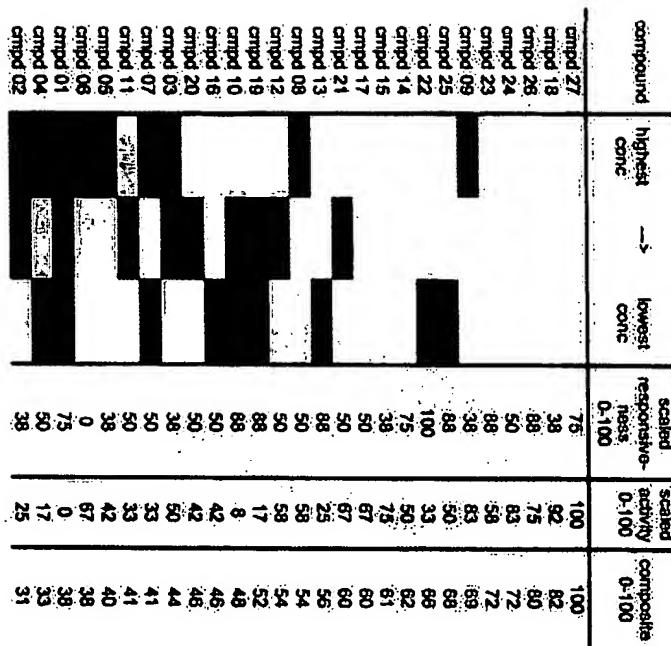
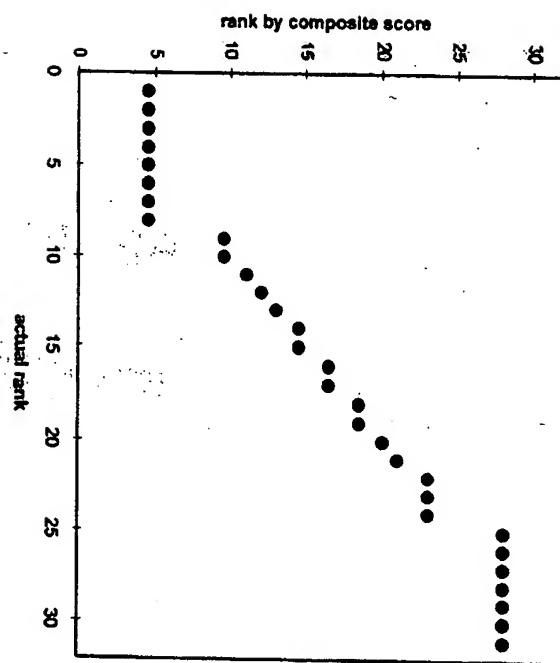


Fig. 16J



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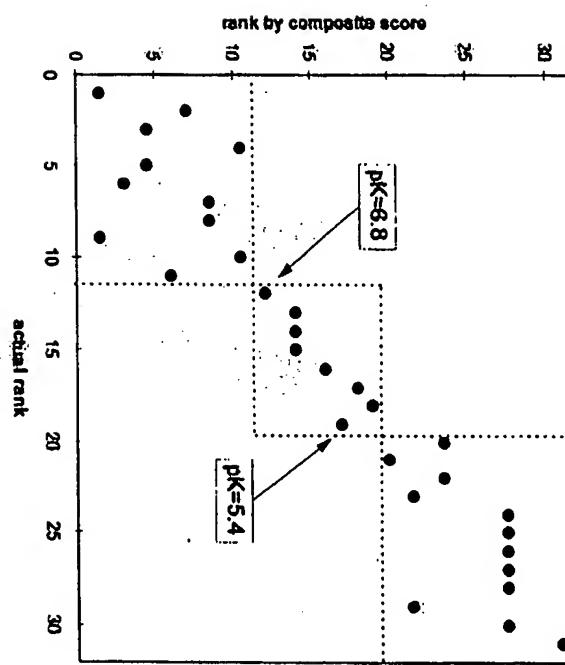


Quality of Ranking when Noise = 10 Inhibition Percentage Points

Fig. 16K



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Quality of Ranking when Noise = 30 Inhibition Percentage Points

Fig. 16L

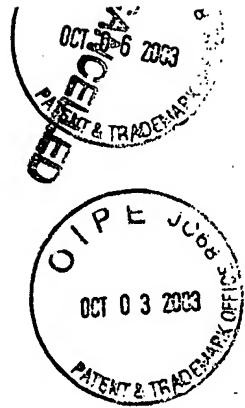


Fig. 16M

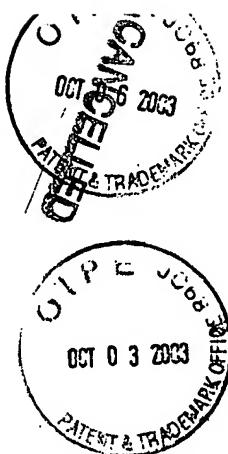
Quantitative Estimation of Potencies by Calibration Marker Compounds

Compound	% Inhib @ 3.00e-06	% Inhib @ 1.00e-06	% Inhib @ 3.00e-07	% Inhib @ 1.00e-07	D.R. composite score	Intrapool est log IC50 / M
M353876	100	102	83	75	79	<0.1
marker 7.5	99	97	90	76	79	7.00 0.10
M221211	110	91	69	39	76	7.00 0.10
M371585	108	102	63	27	76	7.00 0.10
marker 7.0	97	91	75	50	76	6.97 0.11
M345077	102	87	92	87	75	6.90 0.13
M371796	91	78	76	33	73	6.77 0.17
M143629	100	79	48	43	69	6.77 0.17
M371890	101	72	42	29	69	6.77 0.17
M371891	92	69	55	49	69	6.77 0.17
M389032	105	62	62	62	67	6.70 0.20
M198289	101	82	38	38	66	6.67 0.22
M224602	97	79	43	43	66	6.67 0.22
M318571	93	63	42	42	66	6.67 0.22
M273373	85	93	52	52	65	6.63 0.23
M371336	78	70	44	27	62	6.53 0.29
M371825	61	64	50	26	62	6.53 0.29
M181250	99	46	46	35	61	6.50 0.32
M338331	87	73	29	3	61	6.50 0.32
marker 6.5	90	76	49	24	61	6.44 0.38
M143630	65	28	35	35		

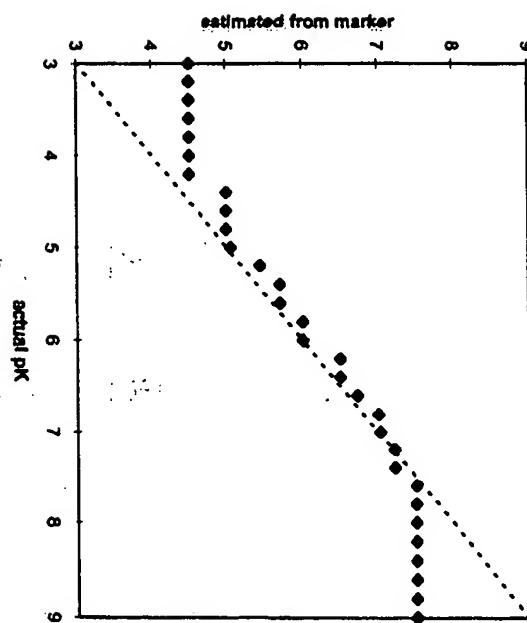
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MAIL

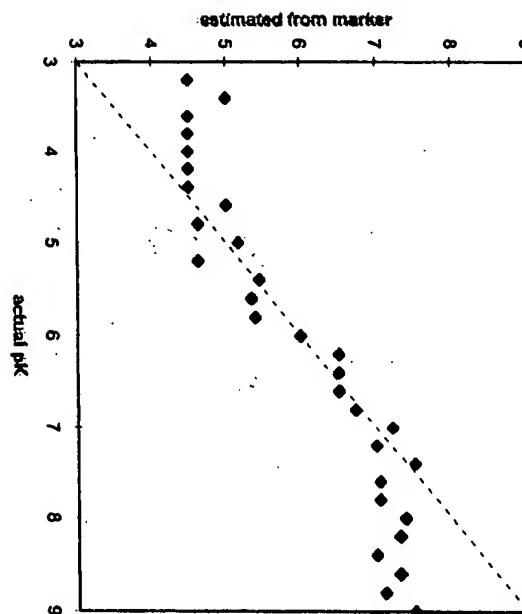


Quality of Estimation when Noise = 10 Inhibition Percentage Points

Fig. 16N



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Quality of Estimation when Noise = 30 Inhibition Percentage Points

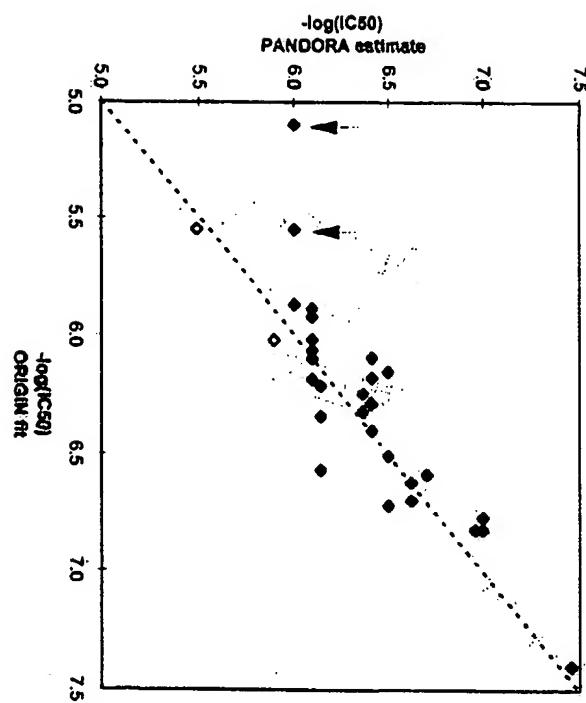
Fig. 16P



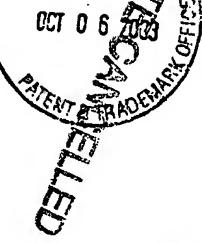
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Fig. 16Q

Comparison of Curve Fitting to Marker Calibration
for T-cell Proliferation Data



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Compound Series	Test1	Test2	Test3	HTS SPA		HTS SPA		HTS SPA	
				Dose-Resp	% Inhib @ 3x10-6M	Dose-Resp	% Inhib @ 1x10-6M	Dose-Resp	% Inhib @ 3x10-7M
1									
2	Cmpd01	N	29	30	41	3	22	5	
3	Cmpd02	N	42	55	83	57	28	15	
4	Cmpd03	G	26	11	70	25	24	29	
5	Cmpd04	N	30		89	60	21	22	
6	Cmpd05	N	1.8	9.2	71	41	13	3	
7	Cmpd06	D	8.66	6.5	37				
8	Cmpd07	D	3.11	0.037	78	100	79	48	
9	Cmpd08	D	0.089		NA	28	28	38	
10	Cmpd09	D	0.119		68	41	22	15	
11	Cmpd10	N	0.233		61	42	24	5	
12	Cmpd11	N	4.31		50	77	63	25	
13	Cmpd12	H	1.13	0.24	47	25	24	3	
14	Cmpd13	H	1.17	0.194	30	81	59	40	
15	Cmpd14	H	0.26	0.41	39	23	4	12	
16	Cmpd15	H	0.369	0.148	98	46	46	36	
17	Cmpd16		0.87	30	101	82	38	18	
18	Cmpd17	K	0.223	NA	81	64	47	24	
19	Cmpd18		5.27		79	54	22	32	
20	Cmpd19		0.134		71	71	23	12	
21	Cmpd20	K	0.317		101	109	108	100	
22	Cmpd21	B	2.21		87	70	31	13	
23	Cmpd22	B	0.15		94	77	36	12	
24	Cmpd23	B			96	61	36	12	
25	Cmpd24	B	3.487	0.27	0.4	110	91	69	39

Figure 17A

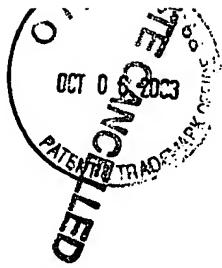


THIS COLORING INDICATES A DATA COLUMN WITH MIXED DATA TYPES											
orig col	heading	# numeric	# text	# date	# blank	# total	last occupied	minimum [4 sig fig]	maximum [4 sig fig]	mean [4 sig fig]	standard dev [4 sig fig]
A	Cmod	24				24	25				[24 different]
B	Series	20				4	24	25			
C	Test1	12				12	24	25	0.119	8.86	2.385
D	Test2	17				7	24	25	0.037	42	5.122
E	Test3	10	2			12	24	25	0.4	30	15.76
F	HIS SPA Dose-Resp % Inhib @ 3x10^-6M	23				1	24	25	39	110	77.57
G	HIS SPA Dose-Resp % Inhib @ 1x10^-6M	23				1	24	25	109	55.87	25.24
H	HIS SPA Dose-Resp % Inhib @ 3x10^-7M	23				1	24	25	4	108	35.52
I	HIS SPA Dose-Resp % Inhib @ 1x10^-7M	23				1	24	25	3	100	23.91
											20.74

Figure 17B

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Project name	A	B	C	D	E	F	G
	most important factor scored by Mgr. A	most important factor scored by Mgr. B	most important factor scored by Mgr. C	less important factor scored by Mgr. A	less important factor scored by Mgr. B	less important factor scored by Mgr. C	
Proj 01	2	2	2	2	2	2	2
Proj 02	1	1	1	2	2	2	2
Proj 03	1	1	1	2	2	2	2
Proj 04	1	1	1	2	2	2	2
Proj 05	1	1	1	2	2	2	2
Proj 06	2	2	2	2	2	2	2
Proj 07	1	1	1	2	2	2	2
Proj 08	1	1	1	2	2	2	2
Proj 09	1	1	1	2	2	2	2
Proj 10	2	2	2	2	2	2	2
Proj 11	1	1	1	2	2	2	2
Proj 12	1	1	1	2	2	2	2
Proj 13	1	1	1	2	2	2	2
Proj 14	2	2	2	2	2	2	2
Proj 15	2	2	2	2	2	2	2
Proj 16	1	1	1	2	2	2	2
Proj 17	2	2	2	2	2	2	2
Proj 18	2	2	2	2	2	2	2
Proj 19	2	2	2	2	2	2	2
Proj 20	2	2	2	2	2	2	2

Figure 18A

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sheet	Portfolio
column(s)	B:G
# of colors	3
break 1	1
break 2	2
break 3	3

color 1 red

color 2 yellow

color 3

Re-scale all?

Figure 18B

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PATENT & TRADEMARK OFFICE

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PATENT & TRADEMARK OFFICE

Name:	Factors
Sheet #	Portfolio
Cluster Col	A
Score and Sort Clusters	
Color	Score
Red	1
Yellow	2
Column(s)	Rel. Weight
B:D	3
E:G	1

Figure 18C

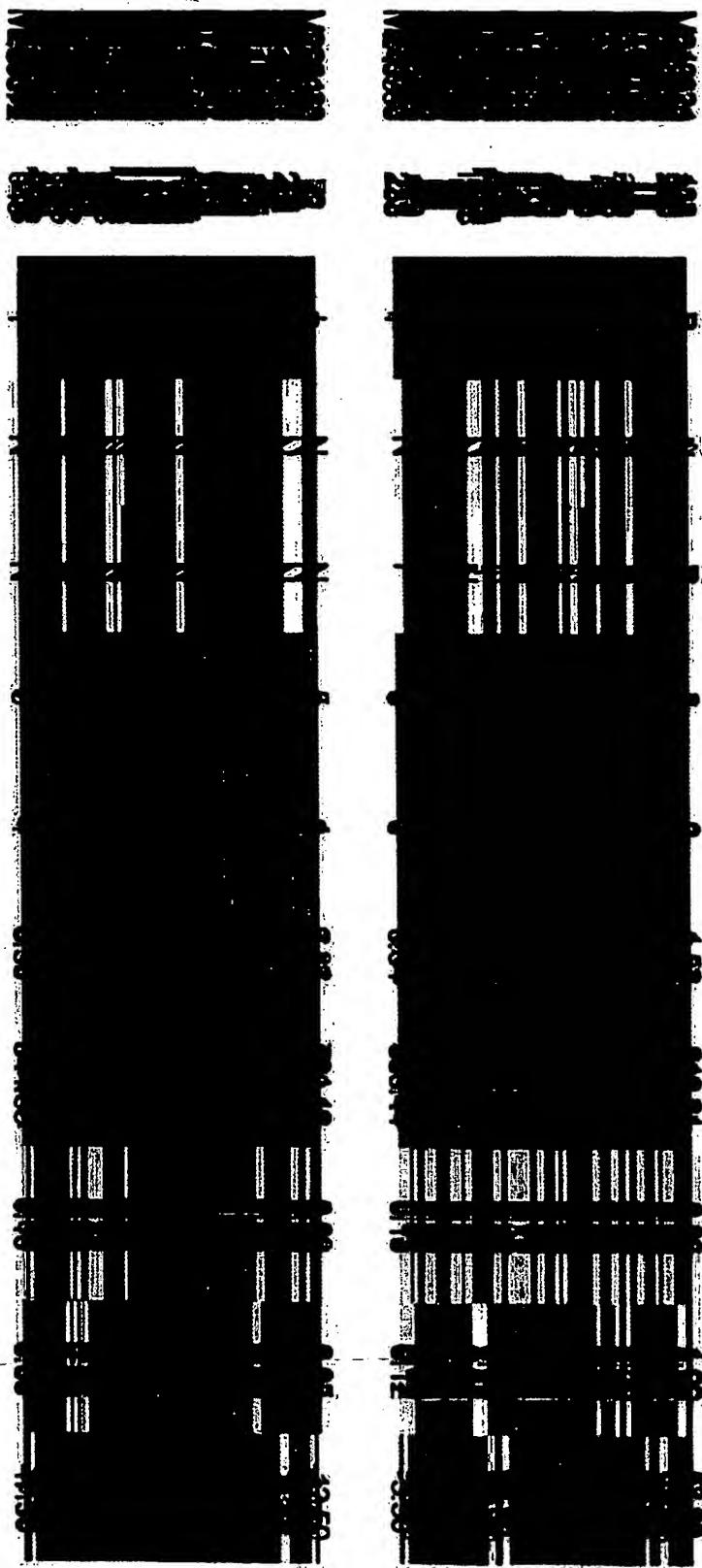
OCT 03 2003
PATENT & TRADEMARK OFFICE
SEARCHED
INDEXED
MAILED

	A	B	C	D	E	F	G	H
project name	most important factor scored by Mng A	most important factor scored by Mng B	most important factor scored by Mng C	less important factor scored by Mng A	less important factor scored by Mng B	less important factor scored by Mng C	important factor scored by Mng A	important factor scored by Mng B
1								
2 Proj 18	1	1	1	1	1	1	1	1
3 Proj 05	1	1	1	1	1	1	1	1
4 Proj 04	2	2	2	2	2	2	2	2
5 Proj 14	2	2	2	2	2	2	2	2
6 Proj 20	2	2	2	2	2	2	2	2
7 Proj 13	1	1	1	1	1	1	1	1
8 Proj 09	1	1	1	1	1	1	1	1
9 Proj 12	1	1	1	1	1	1	1	1
10 Proj 15	2	2	2	2	2	2	2	2
11 Proj 01	2	2	2	2	2	2	2	2
12 Proj 08	1	1	1	1	1	1	1	1
13 Proj 06	2	2	2	2	2	2	2	2
14 Proj 17	2	2	2	2	2	2	2	2
15 Proj 19	2	2	2	2	2	2	2	2
16 Proj 07	1	1	1	1	1	1	1	1
17 Proj 03	1	1	1	1	1	1	1	1
18 Proj 10	2	2	2	2	2	2	2	2
19 Proj 16	1	1	1	1	1	1	1	1
20 Proj 02	1	1	1	1	1	1	1	1
21 Proj 11	1	1	1	1	1	1	1	1

Figure 18D

Fig. 19
Drug Candidate Compounds;
Scored, Sorted, and Vertically Compressed

Cmpd	Cluster	CD45 HTS	IRP HTS	APOP HTS	ACC	DON	cLogP	MW	HTS Selectivity Ratio	Ratio A/Num	Pent Cnt
------	---------	-------------	------------	-------------	-----	-----	-------	----	-----------------------------	----------------	-------------



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OCT 06 2003

CANCELLED

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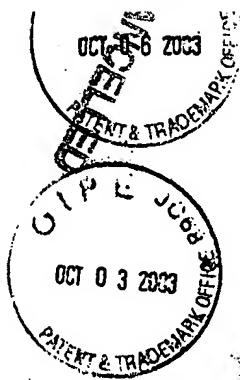


Fig. 20 Target Protein Candidates

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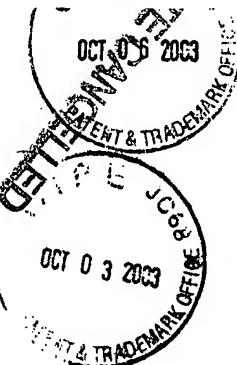
project name	most important factor scored by manager 1	most important factor scored by manager 2	most important factor scored by manager 3	less important factor scored by manager 1	less important factor scored by manager 2	less important factor scored by manager 3
Proj 18						
Proj 05						
Proj 04						
Proj 14						
Proj 20						
Proj 13						
Proj 09						
Proj 12						
Proj 15						
Proj 01						
Proj 08						
Proj 06						
Proj 17						
Proj 19						
Proj 07						
Proj 03						
Proj 10						
Proj 16						
Proj 02						
Proj 11						

Fig. 21

Mail



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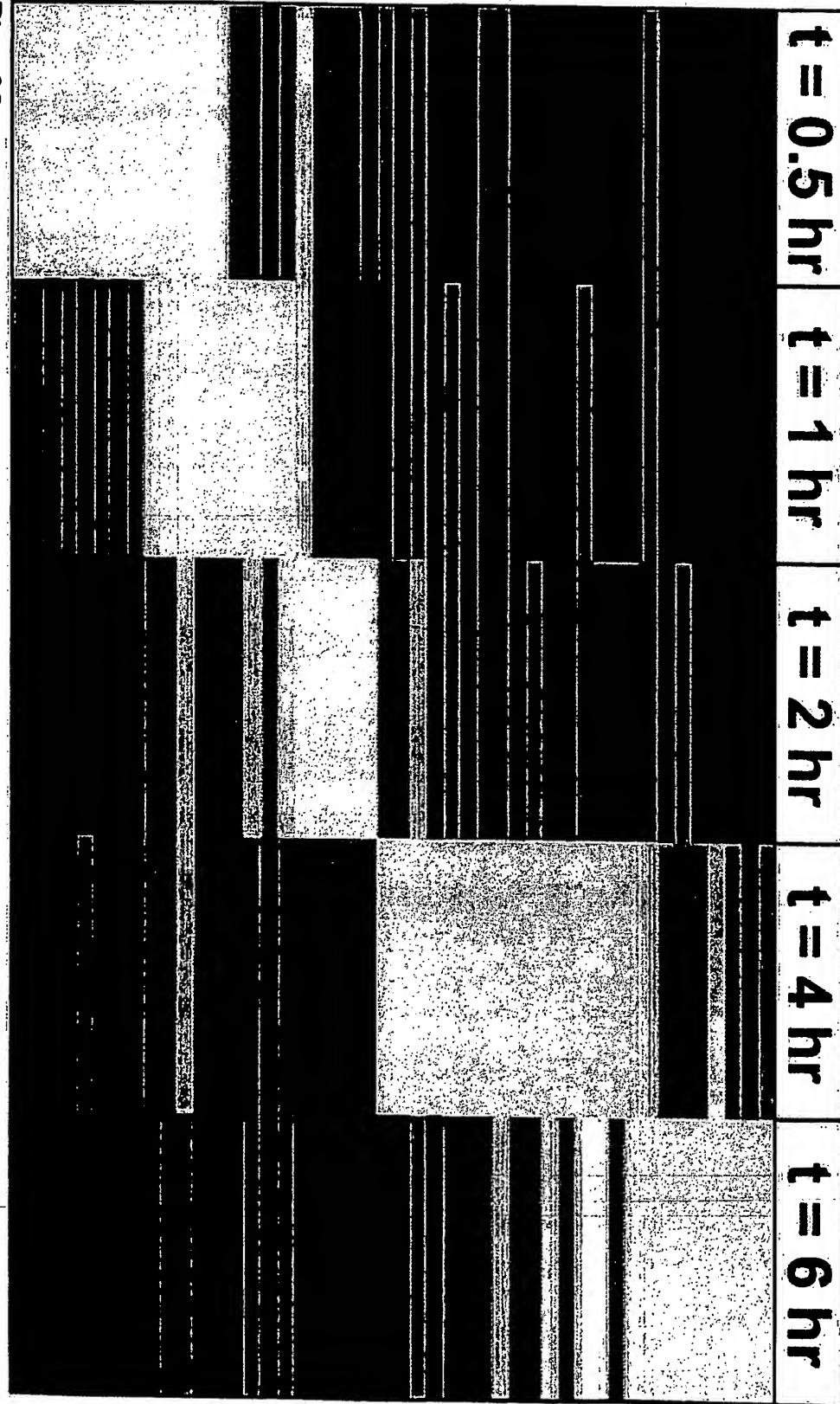
Company	Disease 1	Disease 2	Disease 3	Disease 4	Disease 5	Disease 6	Disease 7	Disease 8	Disease 9	Disease 10	Disease 11	Disease 12
Company 1	Phase I	Phase II	Phase II	L/LO	L/LO	L/LO	L/LO	L/LO	L/LO	Phase II	Phase II	Phase I
Company 2	Phase I	Phase II	Phase II	L/LO	L/LO	L/LO	L/LO	L/LO	L/LO	Phase II	Phase II	Phase I
Company 3	L/LO	L/LO	L/LO									
Company 4	L/LO	L/LO	L/LO									
Company 5	L/LO	L/LO	L/LO									
Company 6	L/LO	L/LO	L/LO									
Company 7	L/LO	L/LO	L/LO									
Company 8	L/LO	Phase II	Phase II	L/LO	L/LO	L/LO						
Company 9	L/LO	L/LO	L/LO									
Company 10	L/LO	L/LO	L/LO									
Company 11	L/LO	L/LO	L/LO									
Company 12	L/LO	Phase I	Phase II	L/LO	L/LO	L/LO						
Company 13	L/LO	L/LO	L/LO									
Company 14	L/LO	L/LO	L/LO									
Company 15	LI	LI	LI									
Company 16	LI	LI	LI									
Company 17	Phase I	Phase II	Phase II	L/LO	L/LO	L/LO						
Company 18	L/LO	L/LO	L/LO									
Company 19	LI	LI	LI									
Company 20	LI	LI	LI									
Company 21	L/LO	TS	Phase III	TS	TS	TS						
Company 22	TS	TS	TS									
Company 23	LI	TS	TS	TS								
Company 24	LI	TS	TS	TS								
Company 25	LI	TS	TS	TS								

Fig. 22

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Fig. 23.



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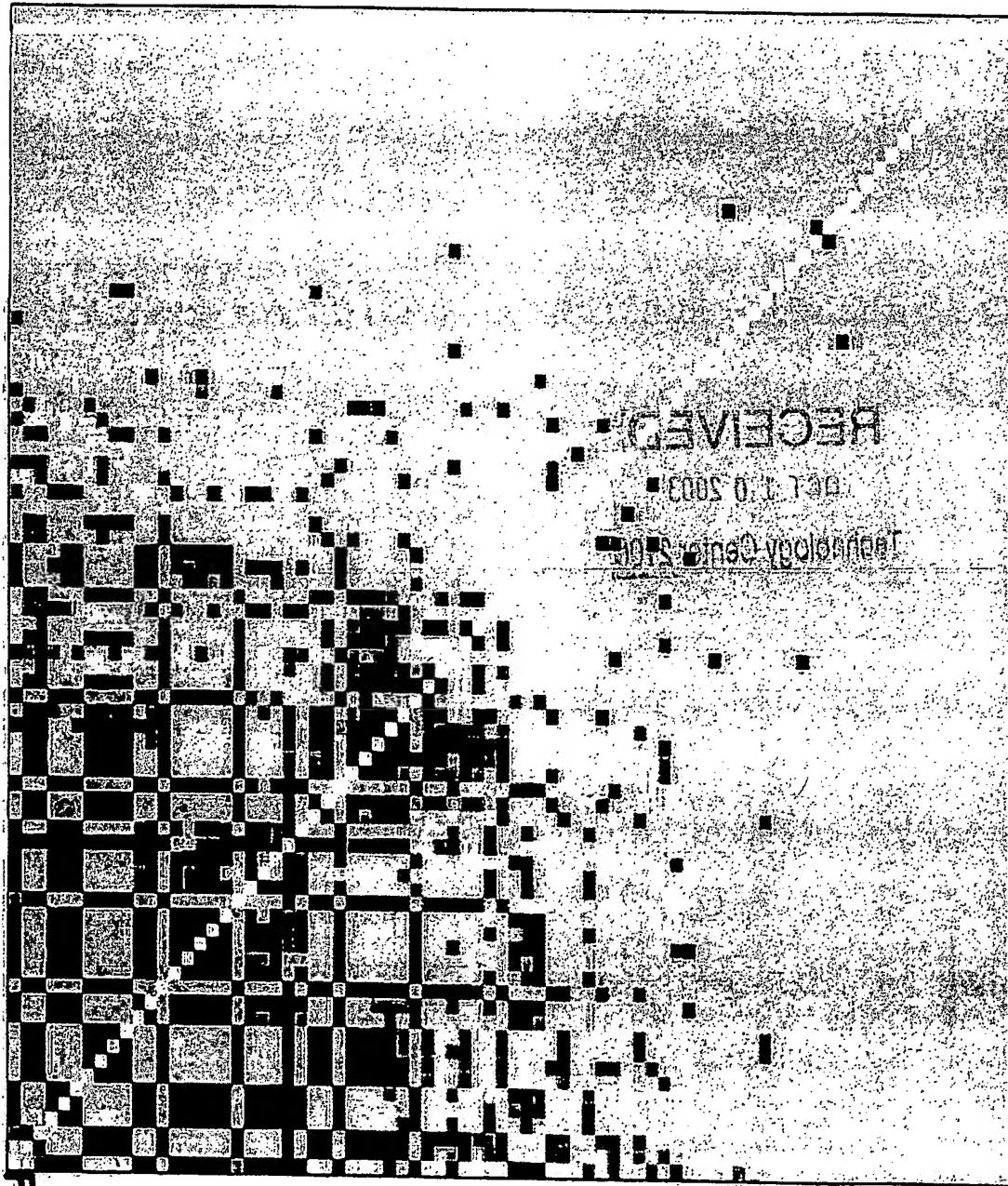
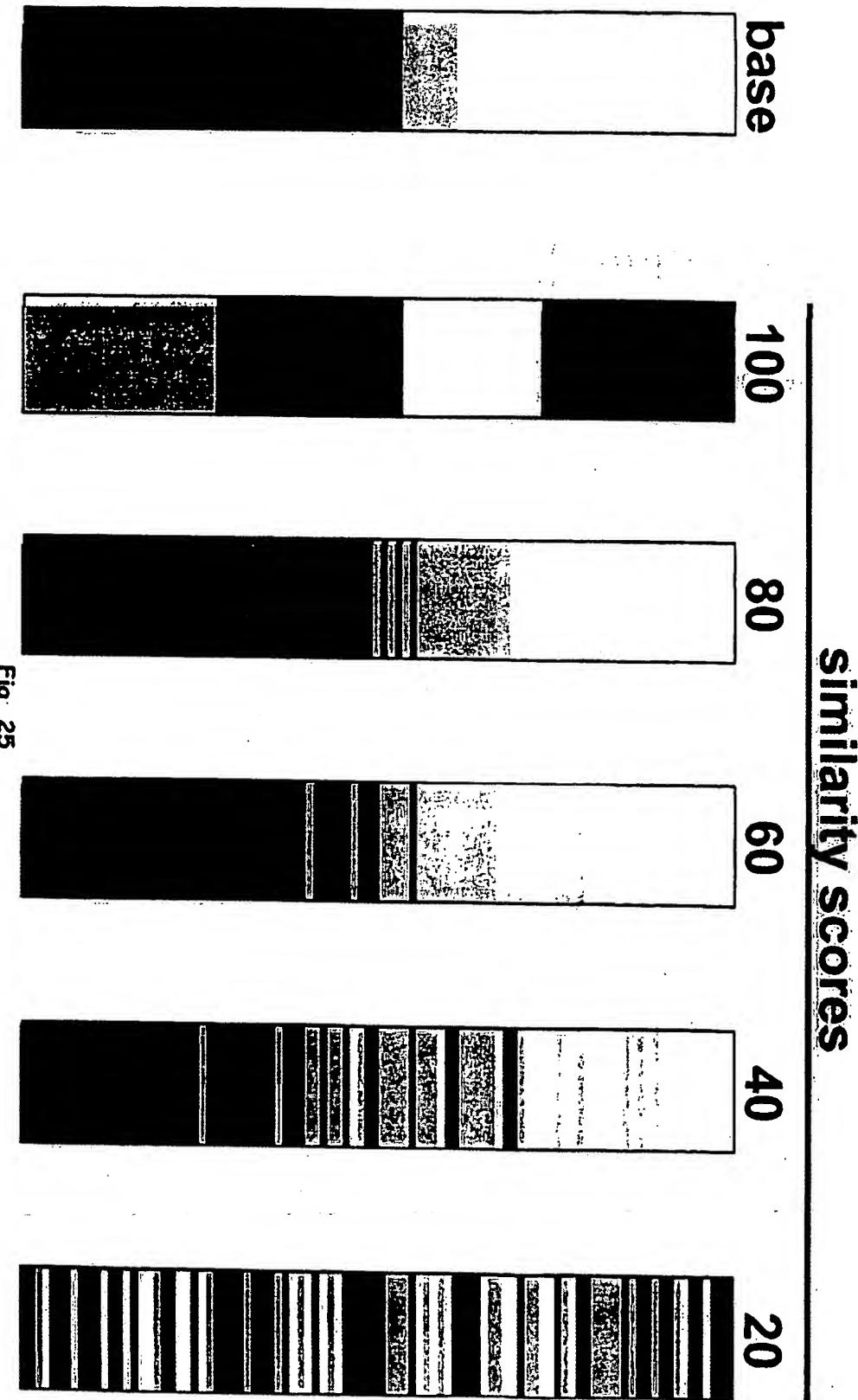


Fig. 24

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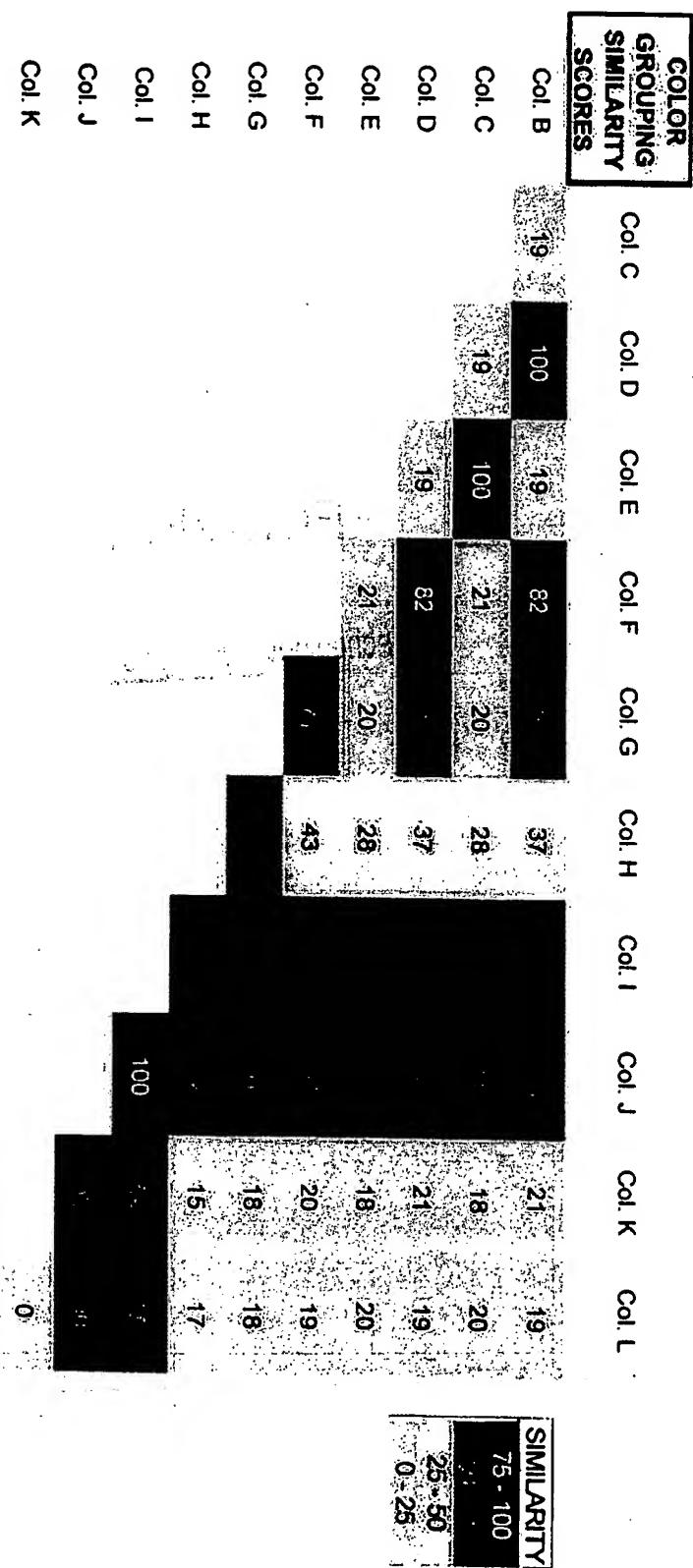


Fig. 26